United States Environmental Protection Agency
Washington, D.C. 20460

Water Compliance Inspection Report

Section A: National Data System Coding (i.e., PCS)

Transaction Code	NPDES	yr/mo/day	Inspection Type	Inspector	Fac Type
1 N	WAU000317	120224	=	R	3

Remarks

21 UNPERMITTED 66

Inspection Work Days	Facility Self-Monitoring Evaluation Rating	BI	QA	Reserved
67 10 69	70	71	72	73 74 75 80

Section B: Facility Data

Name and Location of Facility Inspected *(For industrial users discharging to POTW, also include POTW name and NPDES permit number)*	Entry Time/Date	Permit Effective Date
Storm Haaven Farm 9846 Jackman Road Lynden, WA 98264	08:50AM 02/24/12	Unpermitted
	Exit Time/Date	Permit Expiration Date
	11:00AM 02/24/12	Unpermitted

Name(s) of On-Site Representative(s)/Title(s)/Phone and Fax Number(s)	Other Facility Data *(e.g., SIC NAICS, and other descriptive information)*
Larry De Hann Owner/Operator (b) (6)	SIC 0241 Dairy Farms

Name, Address of Responsible Official/Title/Phone and Fax Number	Contacted
Larry De Hann Owner/Operator 9846 Jackman Road, Lynden, WA 98264 (b) (6)	☑ Yes ☐ No

Section C: Areas Evaluated During Inspection *(Check only those areas evaluated)*

☐ Permit	☐ Self-Monitoring Program	☐ Pretreatment	☐ MS4
☐ **Records/Reports**	☐ Compliance Schedules	☐ Pollution Prevention	
☑ Facility Site Review	☐ Laboratory	☐ Storm Water	
☐ Effluent/Receiving Waters	☑ Operations & Maintenance	☐ Combined Sewer Overflow	
☐ Flow Measurement	☐ Sludge Handling/Disposal	☐ Sanitary Sewer Overflow	

Section D: Summary of Findings/Comments

(Attach additional sheets of narrative and checklists, including Single Event Violation codes, as necessary)

SEV Codes SEV Description

RECEIVED

FEB 27 2012

Inspection & Enforcement Management Unit (IEMU)

Name(s) and Signature(s) of Inspector(s)	Agency/Office/Phone and Fax Numbers	Date
Jon Klemesrud	EPA R10 206 553-5068	02/27/2012
Dave Terpening	EPA R10 206 553-6905	02/27/2012
Matt Vojik	EPA R10 206 553-0716	02/27/2012
Signature of Management Q A Reviewer	Agency/Office/Phone and Fax Numbers	Date
	EPA/OCE 206-553-5317	3/19/12

EPA Form 3560-3 (Rev 1-06) Previous editions are obsolete.

ICIS/PCS.
2-28-2012

INSTRUCTIONS

Section A: National Data System Coding *(i.e., PCS)*

Column 1: Transaction Code: Use N, C, or D for New, Change, or Delete. All inspections will be *new* unless there is an error in the data entered.

Columns 3-11: NPDES Permit No. Enter the facility's NPDES permit number - third character in permit number indicates permit type for U=unpermitted, G=general permit, etc.. *(Use the Remarks columns to record the State permit number, if necessary.)*

Columns 12-17: Inspection Date. Insert the date entry was made into the facility. Use the year/month/day format (e.g., 04/10/01 = October 01, 2004).

Column 18: Inspection Type*. Use one of the codes listed below to describe the type of inspection:

A Performance Audit
B Compliance Biomonitoring
C Compliance Evaluation (non-sampling)
D Diagnostic
F Pretreatment (Follow-up)
G Pretreatment (Audit)
I Industrial User (IU) Inspection
J Complaints
M Multimedia
N Spill
O Compliance Evaluation (Oversight)
P Pretreatment Compliance Inspection
R Reconnaissance
S Compliance Sampling

U IU Inspection with Pretreatment Audit
X Toxics Inspection
Z Sludge - Biosolids
Combined Sewer Overflow-Sampling
$ Combined Sewer Overflow-Non-Sampling
+ Sanitary Sewer Overflow-Sampling
& Sanitary Sewer Overflow-Non-Sampling
\ CAFO-Sampling
= CAFO-Non-Sampling
2 IU Sampling Inspection
3 IU Non-Sampling Inspection
4 IU Toxics Inspection
5 IU Sampling Inspection with Pretreatment
6 IU Non-Sampling Inspection with Pretreatment
7 IU Toxics with Pretreatment

! Pretreatment Compliance (Oversight)
@ Follow-up (enforcement)
{ Storm Water-Construction-Sampling
} Storm Water-Construction-Non-Sampling
: Storm Water-Non-Construction-Sampling
~ Storm Water-Non-Construction-Non-Sampling
< Storm Water-MS4-Sampling
- Storm Water-MS4-Non-Sampling
> Storm Water-MS4-Audit

Column 19: Inspector Code. Use one of the codes listed below to describe the *lead agency* in the inspection.

A — State (Contractor)
B ---- EPA (Contractor)
E — Corps of Engineers
J — Joint EPA/State Inspectors—EPA Lead
L ---- Local Health Department (State)
N — NEIC Inspectors

O— Other Inspectors, Federal/EPA (Specify in Remarks columns)
P— Other Inspectors, State (Specify in Remarks columns)
R — EPA Regional Inspector
S — State Inspector
T — Joint State/EPA Inspectors—State lead

Column 20: Facility Type. Use one of the codes below to describe the facility.

1 — Municipal. Publicly Owned Treatment Works (POTWs) with 1987 Standard Industrial Code (SIC) 4952.
2 — Industrial. Other than municipal, agricultural, and Federal facilities.
3 — Agricultural. Facilities classified with 1987 SIC 0111 to 0971.
4 — Federal. Facilities identified as Federal by the EPA Regional Office.
5 — Oil & Gas. Facilities classified with 1987 SIC 1311 to 1389.

Columns 21-66: Remarks. These columns are reserved for remarks at the discretion of the Region.

Columns 67-69: Inspection Work Days. Estimate the total work effort (to the nearest 0.1 work day), up to 99.9 days, that were used to complete the inspection and submit a QA reviewed report of findings. This estimate includes the accumulative effort of all participating inspectors; any effort for laboratory analyses, testing, and remote sensing; and the billed payroll time for travel and pre and post inspection preparation. This estimate does not require detailed documentation.

Column 70: Facility Evaluation Rating. Use information gathered during the inspection (regardless of inspection type) to evaluate the quality of the facility self-monitoring program. Grade the program using a scale of 1 to 5 with a score of 5 being used for very reliable self-monitoring programs, 3 being satisfactory, and 1 being used for very unreliable programs.

Column 71: Biomonitoring Information. Enter D for static testing. Enter F for flow through testing. Enter N for no biomonitoring.

Column 72: Quality Assurance Data Inspection. Enter Q if the inspection was conducted as followup on quality assurance sample results. Enter N otherwise.

Columns 73-80: These columns are reserved for regionally defined information.

Section B: Facility Data

This section is self-explanatory except for "Other Facility Data," which may include new information not in the permit or PCS (e.g., new outfalls, names of receiving waters, new ownership, other updates to the record, SIC/NAICS Codes, Latitude/Longitude).

Section C: Areas Evaluated During Inspection

Check only those areas evaluated by marking the appropriate box. Use Section D and additional sheets as necessary. Support the findings, as necessary, in a brief narrative report. Use the headings given on the report form (e.g., Permit, Records/Reports) when discussing the areas evaluated during the inspection.

Section D: Summary of Findings/Comments

Briefly summarize the inspection findings. This summary should abstract the pertinent inspection findings, not replace the narrative report. Reference a list of attachments, such as completed checklists taken from the NPDES Compliance Inspection Manuals and pretreatment guidance documents, including effluent data when sampling has been done. Use extra sheets as necessary.

*Footnote: In addition to the inspection types listed above under column 18, a state may continue to use the following wet weather and CAFO inspection types until the state is brought into ICIS-NPDES: K: CAFO, V: SSO, Y: CSO, W: Storm Water 9: MS4. States may also use the new wet weather, CAFO and MS4 inspections types shown in column 18 of this form. The EPA regions are required to use the new wet weather, CAFO, and MS4 inspection types for inspections with an inspection date (DTIN) on or after July 1, 2005.

NPDES
Inspection Report

Storm Haaven Farm
Lyden, WA 98264

Prepared by:

Jon Klemesrud
Environmental Protection Agency, Region 10
Office of Compliance and Enforcement
Inspection and Enforcement Management Unit

Table of Contents

(Unless otherwise noted, all details in this inspection report were obtained from conversations with Larry De Hann or from observations during the inspection.

This inspection report includes several attachments including a photograph documentation attachment and aerial diagrams.

I. Facility Information

Facility Name:	Storm Haaven Farm
Facility Contact(s):	Larry De Hann-Owner/Operator Phone: (b) (6)
SIC Code	0241 Dairy Farms
Facility Location:	9846 Jackman Road Lynden, WA 98264
GPS:	N 48.99854 W -122.50053
Mailing Address:	9846 Jackman Road Lynden, WA 98264

II. Inspection Information

Inspection Date:	February 24, 2012
Inspectors:	Jon Klemesrud, Inspector EPA Region 10, OCE / IEMU (206) 553-5068 Dave Terpening, Inspector EPA Region 10, OCE / IEMU (206) 553-6905 Matt Vojik, Inspector EPA Region 10, OCE / IEMU (206) 553-0716
Arrival Time: Departure Time:	08:50 AM 11:00 AM
Weather Condition:	Heavy Rain

Purpose: The inspection was conducted to document the facility's compliance with the Clean Water Act.

III. Permit Information

This facility is currently not covered under the Washington Concentrated Animal Feeding Operation (CAFO) National Pollutant Discharge Elimination System (NPDES) and State Waste Discharge General Permit.

IV. Background and Activity

This dairy facility consists of a barn complex where animals are confined, fed, and maintained. It also includes a milk parlor, a silage storage area, a 10,000 gallon below ground waste storage tank, a 2.5 million gallon waste storage lagoon, and adjacent pastures.

Storm Haaven Farm also has a heifer barn located about 500 ft from the main dairy facility. This heifer barn consists of a barn complex where animals are confined, fed, and maintained. The heifer location also includes a 10,000 gallon below ground waste storage tank, a 1.5 million gallon waste storage lagoon, and adjacent pastures.

See Attachment A for an aerial view of each facility.

The animals kept at this facility include adult milking cows as well as heifers and calves. The waste generated at this facility is mainly manure and urine deposited in the barn areas. This facility is designed such that the wastes generated are collected, stored and then ultimately land applied on nearby pastures.

V. Individuals Present

The inspectors present throughout this inspection included Jon Klemesrud (EPA), Dave Terpening (EPA), and Matt Vojik (EPA).

The facility representative present at the time of the inspection was owner Mr. Larry De Hann.

VI. Inspection Entry

This was an unannounced NPDES inspection. Dave Terpening, Matt Vojik and I arrived at Storm Haaven Farm at 08:50AM on Friday, February 24, 2012 to conduct the inspection.

At this time, Dave, Matt and I identified ourselves as EPA inspectors and presented our credentials to Mr. De Hann and gave him a business card. I

informed him that the purpose of this visit was to conduct a compliance inspection to determine compliance with the Clean Water Act.

Mr. De Hann did not deny us access to the facility. He accompanied us throughout the inspection.

VII. Inspection Chronology

Upon arriving at the facility we began the inspection with an opening conference where we discussed the purpose and expectations of the inspection. During this time we also asked Mr. De Hann a few administrative questions.

We then conducted a facility tour where we inspected the confinement areas and waste storage facilities.

We then concluded the inspection with a closing conference where I discussed the areas of concern I identified during the inspection.

VIII. Owner and Operator Information

According to Mr. Larry De Hann, he is the owner and operator.

IX. Number of Animals

According to Mr. De Hann, Storm Haaven Farm housed approximately 510 milking cows and about 300 heifers and calves at the time of inspection.

X. Presence of Vegetation in the Confinement Areas

The confinement areas at this facility consist of barns with concrete floors. I did not see any vegetation in any of the confinement areas.

XI. Length of Animal Confinement

According to the Mr. De Hann, animals are pastured from April until August and confined the rest of the year.

XII. Waste Management Process

Waste generated at this facility is mainly from the barns where the animals are confined.

The scraped manure, contaminated water and milk house and parlor wastewater are collected in the below ground waste storage tanks. This waste is then transferred into either storage lagoon.

XIII. Receiving Water

The receiving water with the highest risk at the main dairy facility is the Jackman Road ditch. Jackman Road ditch is located roughly 100 ft from the main dairy facility and flows into Bertrand Creek which connects with the Nooksack River.

At the heifer barn location the nearest receiving water is a unnamed drainage ditch located north of the heifer barn.

XIV. Areas of Concern

We inspected the facility including the confinement areas and the waste handling systems. No discharge was observed during the inspection however I saw two areas of concern. These areas of concern is described as follows:

A. Solid Storage Containment Area: At the time of inspection the facility's solid storage area appeared to be full and near maximum capacity. I observed liquid seeping from the south end of the containment area, mixing with stormwater, and entering a grass field south of the containment area. The water ponded in the grass field roughly 150 from the unnamed ditch.

The liquid seeping from the solid storage area was flowing in a southerly direction towards an unnamed ditch. The unnamed ditch connects with Jackman Road ditch and ultimately connects with the Nooksack River. The unnamed ditch is roughly 350 ft from the solid storage area. No discharge to the unnamed ditch was observed during the inspection.

The solid storage area was uncovered and exposed to stormwater at the time of inspection. The solid storage area's structure consists of a series stacked concrete blocks and it's paved surface generally slopes north away from the grass field to a catch basin. The catch basin is designed to capture all runoff coming from the solid storage area, however, due to the amount of solids, it appeared that not all of the liquid was being routed to the catch basin.

See Attachment B, Photo #1, Photo #2, Photo #3, and Photo #4 to see the solid storage area at the time of inspection.

B. Heifer Barn Lagoon Capacity: At the time of inspection the facility's 1.5 million gallon waste storage lagoon at the heifer barn location was near maximum capacity. This lagoon sits elevated about 80ft from an unnamed drainage ditch. See Attachment B, Photo #5 to see the lagoon at the time of inspection.

XV. Closing Conference

A closing conference was held following the inspection. During the closing conference I discussed the areas of concern identified above.

Report Completion Date: 03/19/2012

Lead Inspector Signature:

ATTACHMENT A

Aerial Photograph


N
Storm Haaven Farm
Jackman Road
Ditch
Solid Storage Area
Unnamed ditch


N
Storm Haaven Farm Dairy
Heifer Barn Lagoon
Storm Haaven Farm
Heifer Barn
Jackman Rd

ATTACHMENT B

Photograph Documentation

Inspection Photo Log

Inspection site or facility name:	Storm Haaven Farm
Location:	9846 Jackman Road Lynden, WA 98264
Type of Inspection:	Unannounced NPDES CAFO Inspection
Date of Inspection:	February 24, 2012
Inspector(s):	Jon Klemesrud (EPA), Dave Terpening (EPA), Matt Vojik(EPA)
Image capture device:	Samsung i85
Photo Log Image ID #s:	Images numbered 1-5.
Digital images recorded by:	Jon Klemesrud

Storm Haaven Farm
February 24, 2012
Photographs taken by Jon Klemesrud

Photo No. 1
Photo facing East, showing the back end of the solid waste containment area. I observed liquid leaving the containment area from the south end and entering the grass field shown above.

Storm Haaven Farm
February 24, 2012
Photographs taken by Jon Klemersud

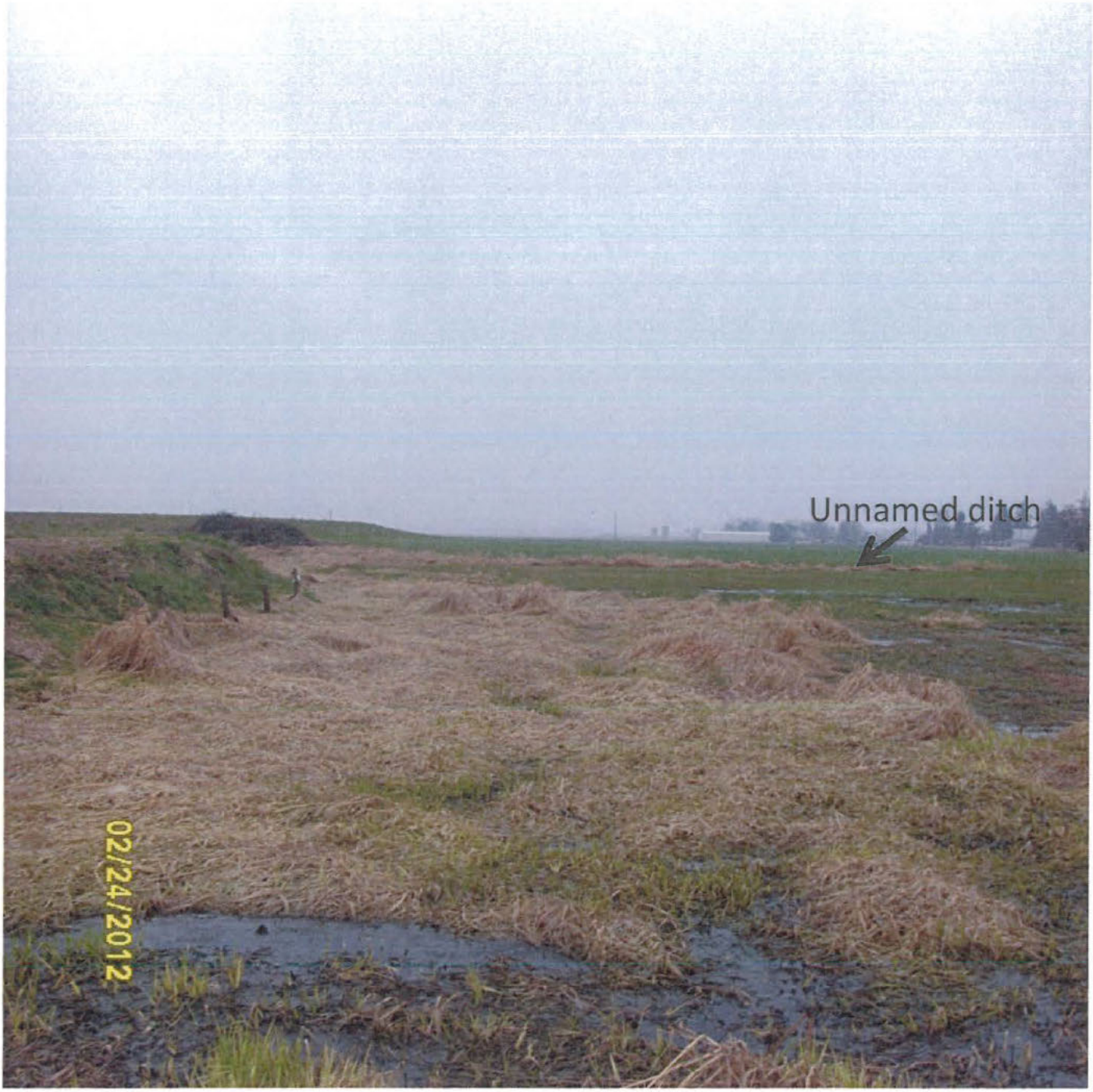

Photo No. 2

Photo from the south end of the solid storage area facing south toward the unnamed ditch. The liquid shown in the photo was the seepage seen leaving the containment area as well as stormwater.

Storm Haaven Farm
February 24, 2012
Photographs taken by Jon Klemesrud

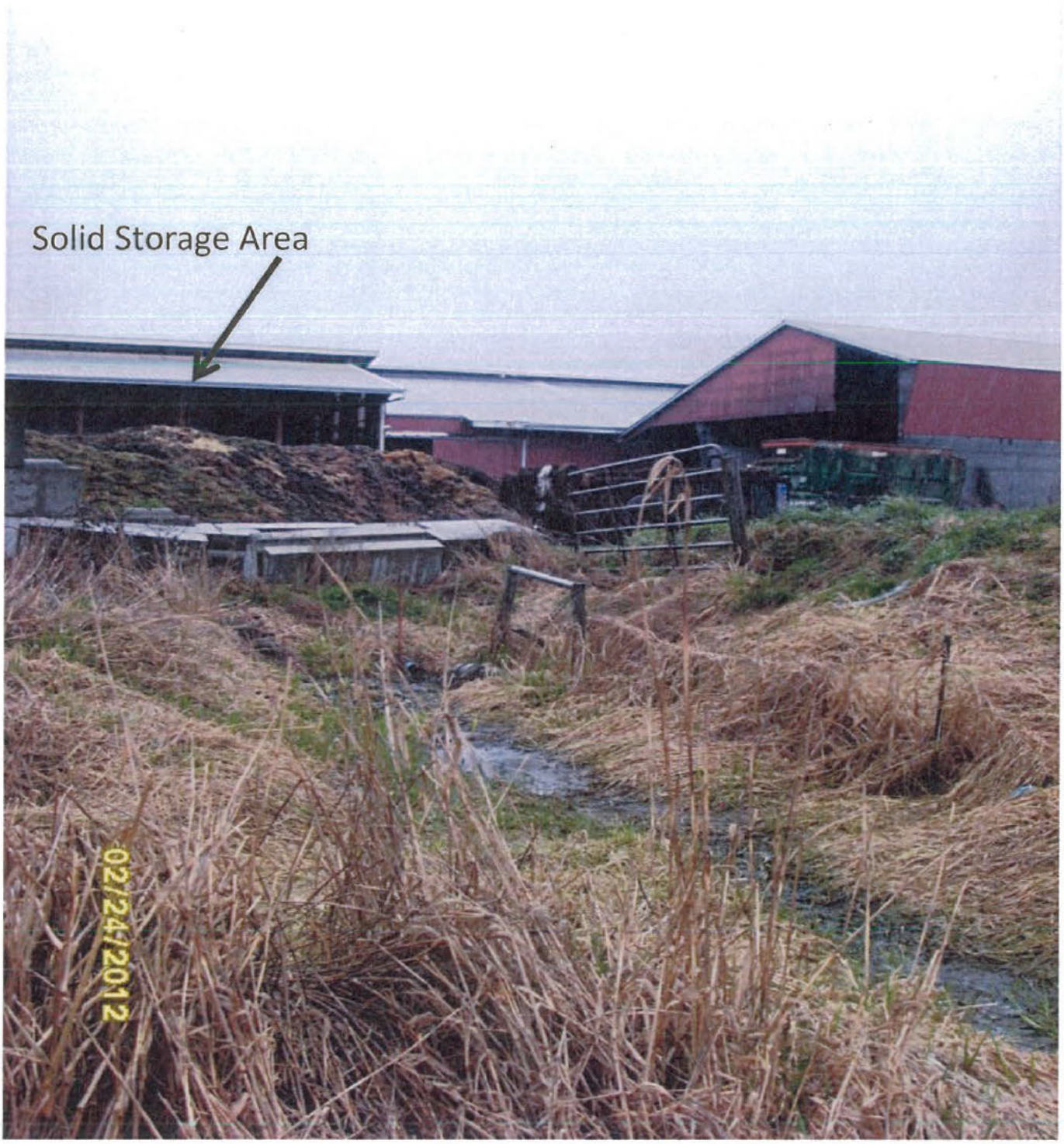

Photo No. 3
Photo facing North, looking towards solid storage area. The liquid shown in the photo was the seepage seen leaving the containment area as well as stormwater.

Storm Haaven Farm
February 24, 2012
Photographs taken by Jon Klemesrud

Photo No. 4
Photo facing South, showing solid storage area as well as catch basin and pump designed to capture liquid runoff and route to storage lagoon.

Storm Haaven Farm
February 24, 2012
Photographs taken by Jon Klemesrud

Photo No. 5
Photo facing Southwest, showing the heifer barn lagoon at the time of inspection.